Appendix K
California Data Protocols

California's Supplemental Data Questions to the National Protocols

Cal/EPA has analyzed the National Protocols to determine if they adequately address the questions presented in AB 1102 and the research objectives of the Cal/EPA EMS Pilot Project. Cal/EPA has concluded that relying on the National Protocols alone will not provide all the data necessary to answer the questions in AB 1102 and meet the research objectives of the EMS Pilot Project. For example, the National Protocols do not address whether an EMS provides better public information than existing regulatory requirements. Therefore, additional questions relating to the quantity and quality of information provided to the public should be developed. The research objectives of the EMS Innovation Initiative in regards to an EMS providing increased public health and environmental protection however, are largely met through the National Protocols. Cal/EPA has determined that only a few additional questions are needed to supplement the information already collected by the National Protocols. Therefore, Cal/EPA has supplemented the National Protocols with the following additional questions.

Subject: Emergency Preparedness
1. How is emergency preparedness (e.g. Hazardous Material Business Plan) integrated into your EMS?
2. How has your EMS affected the way in which you prepare for emergencies?

Subject: Environmental Performance
1. In what areas has your EMS lead to performance in excess of regulatory requirements?

Subject: Pollution Prevention
1. How did implementation of the EMS affect pollution prevention techniques at your facility?
2. What pollution prevention activities were in place prior to implementing your EMS?
3. Describe any mechanisms you have developed for sharing pollution prevention techniques and whether these are a result of your EMS?

Subject: Continual Improvement
1. How does the continual improvement cycle initiate change in your organization?
2. Please describe this process and the types of changes that have been identified.
3. What type of continual improvement process existed prior to implementing your EMS?

Subject: Employee Involvement

1. Please describe changes in employee awareness and involvement in environmental improvements since implementing your EMS.

Subject: Regulatory Innovations

1. Please identify any opportunities that an EMS presents for improving the regulatory process (e.g., consolidated information reporting).

Subject: Supply Chain

1. Please describe whether and how you are encouraging the use of EMSs within your supply chain.
2. Please describe whether and how others in your supply chain, or your customers, influence your company in regards to implementation of an EMS.
3. Please describe how you have incorporated other environmentally preferable measures into your supply chain (e.g., green purchasing, education or mentoring).

Subject: Quality and Quantity of Information

1. What part of your EMS is available to the general public?
    a. policy statement
    b. environmental aspects
    c. environmental impacts
    d. objectives and targets
    e. operation and procedures
    f. compliance information
    g. hazardous waste generation data
    h. air emission data
    i. water discharge data
    j. resource consumption data: energy, water, raw materials
    k. solid waste generation data
    l. other environmental information.
2. Where is information on your EMS available to the public?
    a. web site
    b. public relations department
    c. newsletter
    d. annual report
    e. other, please describe
3. What environmental information do you make available to the public that is also reportable to environmental agencies? Where is this information available?
4. How has your EMS changed the way you communicate with the public on environmental issues?
5. How has the sharing of environmental information changed the way your customers view you?

Subject: Negative Consequences of an EMS

1. In your experience, what are some of the disadvantages of EMS implementation?
2. Has implementing an EMS caused any negative consequences in environmental performance?